

AMENDMENTS TO THE CLAIMS

This listing will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) A drilling device comprising:
with a multiblade drilling tool, particularly a deep drilling tool, having a cutting zone with
at least two blades, the drilling tool having:
with at least two internal supply channels by means of which cooling lubricant is supplied
to the cutting zone, the supply channels passing through the drilling tool; and
as well as at least two external removal channels in addition to the supply channels,
wherein by means of which the cooling lubricant and chips are removed from the cutting zone by
means of the removal channels, the removal channels being formed by cutouts on the outside of
the drilling tool,
wherein the supply channels are associated with independent cooling lubricant supply
devices.
2. (Previously presented) The drilling device according to claim 1, wherein the supply
devices are constructed for maintaining predetermined, separate volume flows of the cooling
lubricant for the individual channels.
3. (Previously presented) The drilling device according to claim 1, wherein the supply
devices are constructed for increasing the cooling lubricant pressure in the case of a reduction of
the volume flow in one of the channels as a result of a blockage.
4. (Previously presented) The drilling device according to claim 1, wherein
independent pumps or pump chambers are connected to the channels.
5. (Currently amended) ~~The~~ A drilling device ~~according to claim 1,~~ comprising a
multiblade drilling tool having:

at least two supply channels by means of which cooling lubricant is supplied to the cutting zone; and

removal channels, wherein cooling lubricant and chips are removed from the cutting zone by means of the removal channels,

wherein the supply channels are associated with independent cooling lubricant supply devices, and are connected to the outlets of a quantity divider.

6. (Currently amended) The drilling device according to claim 1, wherein the ~~channels are connected to a~~ cooling lubricant supply, ~~which~~ is located in a drilling spindle or an adapter, ~~optionally containing a quantity divider and which optionally contains the chuck for the drilling tool.~~

7. (Currently amended) The drilling device according to claim 1, further comprising a rotary duct for the cooling lubricant.

8. (Currently amended) The drilling device according to claim 1, wherein the introduction of the cooling lubricant into the drilling tool or drilling spindle takes place radially, axially, or radially and axially.

9. (Currently amended) The drilling device[[,]] according to claim 1, wherein chip spaces having a rounded side wall in cross-section are located adjacent and formed in a working rotation direction of a multiblade drilling tool, upstream of the blades in a working rotation direction of the multiblade drilling tool, the chip spaces being and connected to chip the removal channels, ~~in cross-section have a rounded side wall following on to the blade.~~

10. (Previously presented) The drilling device according to claim 9, wherein the chip removal channels also have a rounded side wall.

11. (Previously presented) The drilling device according to claim 9, wherein the rounded side wall extends approximately up to a drilling tool centre plane perpendicular to the

blade.

12. (Currently amended) The drilling device according to claim 11, wherein, in the vicinity of the drilling tool external diameter, the rounded side wall bounds a substantially circumferentially directed projection projecting into the chip space ~~and on whose outside is preferably formed a guide zone for the drilling tool.~~

13. (Previously presented) The drilling device according to claim 9, wherein the rounded side wall has the cross-sectional shape of a semicircle or half a long oval.

14. (Withdrawn) The drilling device, ~~particularly~~ according to claim 1, wherein ~~in the case of a multiblade drilling tool,~~ at least one of the blades of the multiblade drilling tool, considered in an axial plan view on the drilling tool end face, has ~~a bend, where~~ two blade sections that meet under at an angle to form a bend, preferably between 170° and 120°.

15. (Cancelled)

16. (Currently amended) The drilling device according to claim 9, wherein the drilling tool has a cutting head and a shank applied thereto, the shank having recesses forming chip removal channels, wherein ~~and~~ the cross-sectional shape ~~thereof corresponds to~~ of the chip removal channels is the same as the cross-sectional shape of the chip spaces.

17. (Previously presented) The drilling device according to claim 1, further comprising an adapter with independent cooling lubricant infeeds in two separate supply channels in the drilling tool.

18. (Currently amended) ~~The~~ A drilling device ~~according to claim 17, comprising multiblade drilling tool having:~~
at least two supply channels by means of which cooling lubricant is supplied to the cutting zone;

removal channels, wherein cooling lubricant and chips are removed from the cutting zone by means of the removal channels; and

an adapter with independent cooling lubricant infeeds in two separate supply channels in the drilling tool,

wherein the supply channels are associated with independent cooling lubricant supply devices, and

wherein a quantity divider is provided in the adapter.

19. (Previously presented) The drilling device according to claim 17, wherein the adapter contains a chuck for the drilling tool.

20. (Currently amended) The drilling device according to claim 1, wherein a drilling spindle is mounted in a headstock and there is a separate cooling lubricant infeed for the two channels into the drilling spindle, ~~preferably at the end of the drilling spindle remote from the drilling tool.~~

21. (New) The drilling device according to claim 1, wherein the multiblade drilling tool is a deep drilling tool.

22. (New) The drilling device according to claim 1, wherein the drilling tool has exactly two blades and exactly two supply channels, wherein each blade is associated with a supply channel.

23. (New) The drilling device according to claim 6, wherein the drilling spindle or adapter contains a quantity divider.

24. (New) The drilling device according to claim 23, wherein the drilling spindle or adapter contains the chuck for the drilling tool.

25. (New) The drilling device according to claim 20, wherein the cooling lubricant

infeed is located at the end of the drilling spindle remote from the drilling tool.

26. (New) The drilling device according to claim 14, wherein the bend has an angle between 170° and 120° .